

## **DETAILED ACTION**

### ***Examiner's Amendment***

01. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Shun Yao on September 24, 2008 (see the attached Interview Summary).

The instant Claims have been amended as follows:

- Claim 15, line 2: after "comprising:" insert --a processor; a memory;--

### ***Reasons For Allowance***

02. Claims 1, 3 – 5, 7 – 8, 10 – 12, 14 – 15, 17 – 19, and 20 have been considered and deemed allowable. The following is an examiner's statement of reasons for allowance:

It is the examiner's opinion that the art of record considered as a whole, alone or in combination, neither anticipates nor rendered obvious the specific SQL injection prevention technique taught by the Applicant. The Examiner finds no single prior art reference teaching of creating a signature cache and parsing a database query, both by removing field names and values, but leaving keywords and operands in tact, for SQL queries, as recited in independent claims 1, 8, 15. A thorough search of the prior art

reveals the primary references of Chaudhuri (US Patent 7,194,451) and Lee ("Learning Fingerprints for a Database Intrusion Detection System"), which was previously used to reject the claims. Chaudhuri discloses a similar method in that queries can be used to create a signature cache. However, Chaudhuri does not disclose that the signature is extracted from the query itself such that names and values are removed, while retaining keywords and operands. Lee discloses a similar method in that queries are parsed to prevent intrusion. However, Lee does not disclose replacing field names, but is limited to field values. Therefore the Examiner believes that the independent claims, as amended, stand in condition for allowance over the cited prior art.

Dependent claims 3 – 5, 7, 10 – 12, 14, and 17 – 19 are also believed to be in condition for allowance over the cited prior art for at least the reason listed above.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

03. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Christopher Raab whose telephone number is (571) 270-1090. The Examiner can normally be reached on Monday-Friday from 8:30am to 6:00pm.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Pierre Vital can be reached on (571) 272-4215. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free) or 703-305-3028.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist/customer service whose telephone number is (571) 272-2600.

Christopher Raab  
C.R./cr

September 25, 2008

/K. B. P./

/Pierre M. Vital/  
Supervisory Patent Examiner, Art Unit 2169